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UTILITY PATENT APPLICATION **TRANSMITTAL** 

to respond to a collection of information unless it displays a valid Olvib control number					
Attorney Docket No.	LUNX-102US				
First Inventor	Wei-xian Zhang				
Title	DISPERSED ZERO-VALENT IRON COLLOIDS				
Express Mail Label No.	EV 321470643 US				

(Only for r	new nonprovision	al applications under 3	7 C.F.R. 1 53(b))					
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See MPEP		ICATION ELE!	<del>-</del>		ADDRESS TO	O: Commission P.O. Box 1	Patent Application iner for Patents 450 , VA 22313-1450	
		Form (e.g., PTO/S					ate, large table or	PT0
2. 🛛 /	_	s small entity status	-		(if applicable, a	all necessary)	Sequence Submission	- INIC
See 37 CFR 1.27.  3 Specification [Total Pages 19 ]  (preferred arrangement set forth below - Descriptive title of the Invention - Cross References to Related Applications - Statement Regarding Fed sponsored R & D - Reference to sequence listing, a table,			b. Specification i.	nts verifying ider	ing on: copies); or ntity of above copies	22387 U.S		
	or a computer p - Background of ti	program listing append	ix		ACCOM	PANYING APP	LICATIONS PARTS	
	Brief Summary o	of the Invention			9. 🛛 Assignme	nt Papers (cover	sheet & document(s))	
-	<ul> <li>Brief Description</li> <li>Detailed Descrip</li> <li>Claim(s)</li> </ul>	of the Drawings (if file tion	ed)		10. 🔲 37 C.F.R.§		ent 🔲 Power of	
	Abstract of the D		<u> </u>		11. English Tr	anslation Docun	nent (if applicable)	
	awing(s) (35 <i>U.</i>				12. 🛭 Information Statement	n Disclosure (IDS)/PTO-1449	☐ Copies of ID Citations	S
	Declaration  Newly execute	<i>Total F</i> ] ed (original or copy)	Pages 2 ]	l	13. Preliminar	y Amendment		
a. ☑ Newly executed (original or copy) b. ☐ Copy from a prior application (37 CFR 1.63 (d)) (for continuation/divisional with Box 18 completed)				14. 🛛 Return Re				
1.	Signed stat	I OF INVENTOR(S) ement attached delethe prior application	eting inventor(s)		15. Certified C	Copy of Priority D		
named in the prior application, see 37 CFR 1.63(d)(2) and 1.33(b). 6. ☐ Application Data Sheet. See 37 CFR 1.76					<ul> <li>Applicant mus</li> </ul>	nder 35 U.S.C. 122 It attach form PTO/SB/3	5	
							ing by Express Mail	
18. If a CON	TINUING APPLI	CATION, check appro	opriate box, and sur	only	the requisite informati	on helow and in t	he first sentence of the	
specification	n following the ti	tle, or in an Application					io in di comonec en une	
☐ Conti	-		☐ Continuation-in-p	art (		orior application No		
	plication informati IUATION or DIVI			re of		oup / Art Unit:		liod
under Box 5	For CONTINUATION or DIVISIONAL APPS only: The entire disclosure of the prior application, from which an oath or declaration is supplied under Box 5b, is considered a part of the disclosure of the accompanying continuation or divisional application and is hereby incorporated by reference. The incorporation can only be relied upon when a portion has been inadvertently omitted from the submitted application parts.							
19. CORRESPONDENCE ADDRESS								
		ustomer Number	23122		OR [	] Correspond	lence address below	
Name								
Address								
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City			State	-		Zip Code		
Country			Telephone	┰┷		Fax		
Name (Prin	nt/Type) 	James C. Simmor	ns D	F	Registration No. (Atto	1	24,842	`
Signature		Jumes	L Junner			Date	March 11, 2004	

This collection of information is required by 37 CFR 1.53(b). The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 12 minutes to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Mail Stop Patent Application, Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450. 22313-1450.

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FEE TRANSMITTAL	Complete if Known				
	Application Number	To Be Assigned			
for FY 2004	Filing Date	Herewith	_		
Effective 10/01/2003. Patent fees are subject to annual revision.	First Named Inventor	Wei-xian Zhang	_		
Manifest deime amell antity status See 27 CFD 4 27	Examiner Name				
Applicant claims small entity status. See 37 CFR 1.27	Art Unit		_		
TOTAL AMOUNT OF PAYMENT (\$) 425	Attorney Docket No.	LUNX-102US			

METHOD OF PAYMENT (check all that apply)	FEE			FEE	CALCULATION (continued)	
☐ Check ☐ Credit Card ☐ Money ☐ Other ☐ None	3. ADDITIONAL FEES Large Entity Small Entity					
Order Feb. Coc			Fee Code	Fee (\$)	Fee Description	Fee Paid
Deposit Account RatnerPrestia	1051	130	2051	65	Surcharge - late filing fee or oath	
Number Deposit	1052	50	2052	25	Surcharge - late provisional filing fee or cover sheet.	
Account 18-0350 Name	1053	130	1053	130	Non-English specification	
The Director is authorized to: (check all that apply)	1812	2,520	1812	2,520	For filing a request for ex parte reexamination	
☐ Charge fee(s) indicated below ☐ Credit any overpayments	1804	920*	1804	920*	Requesting publication of SIR prior to	
	1805	1,840*	1805	1,840*	Examiner action Requesting publication of SIR after Examiner action	
above-identified deposit account.	1251	110	2251	55	Extension for reply within first month	
FEE CALCULATION	1252	420	2252	210	Extension for reply within second month	
1. BASIC FILING FEE	1253	950	2253	475	Extension for reply within third month	
Large Entity Small Entity	1254	1,480	2254	740	Extension for reply within fourth month	
Fee Fee Fee Fee Description Code (\$) Code (\$) Fee Paid	1255	2,010	2255	1,005	Extension for reply within fifth month	
1001 770 2001 385 Utility filing fee 385	1401	330	2401	165	Notice of Appeal	
1002 340 2002 170 Design filing fee	1402	330	2402	165	Filing a brief in support of an appeal	
1003 530 2003 265 Plant filing fee	1403	290	2403	145	Request for oral hearing	
1004 770 2004 385 Reissue filing fee 1005 160 2005 80 Provisional filling fee	1451	1,510	1451	1,510	Petition to institute a public use proceeding	
	1452	110	2452	55	Petition to revive – unavoidable	
SUBTOTAL (1) (\$) 385	1453	1,330	2453	665	Petition to revive – unintentional	
2. EXTRA CLAIM FEES FOR UTILITY AND REISSUE	1501	1,330	2501		Í	
Extra Fee from Fee Claims below Paid				665	Utility issue fee (or reissue)	
Total Claims 12 -20** = 0 X = 0	1502	480	2502	240	Design issue fee	
Independent Claims 3 -3** = 0 X = 0	1503	640	2503	320	Plant issue fee	
Multiple	1460	130	1460	130	Petitions to the Commissioner	
Dependent X = 0	1807	50	1807	50	Processing fee under 37 CFR 1.17(q)	
Large Entity Small Entity	1806	180	1806	180	Submission of Information Disclosure Stmt	
Fee Fee Fee Fee Description Code (\$) Code (\$)	8021	40	8021	40	Recording each patent assignment per property (times number of properties)	40
1202 18 2202 9 Claims in excess of 20	1809	770	2809	385	Filing a submission after final rejection (37	
1201 86 2201 43 Independent claims in excess of 3 1203 290 2203 145 Multiple dependent claim, if not paid	1810	770	2810	385	CFR § 1.129(a)) 5 For each additional invention to be	
1204 86 2204 43 **Reissue independent claims over		ļ			examined (37 CFR § 1.129(b))	
original patent	1801	770	2801	385	Request for Continued Examination (RCE)	
1205 18 2205 9 *** Reissue claims in excess of 20 and over original patent	1802	900	1802	900	Request for expedited examination of a design application	
SUBTOTAL (2) (\$) 0 Other fee (specify)						
*Reduced by Basic Filing Fee Paid SUBTOTAL (3)  **or number previously paid, if greater; For Reissues, see above			Paid SUBTOTAL (3) (\$) 40			

SUBMITTED BY	•			Con	nplete <i>(if applicable)</i>
Name (Print/Type)	James Ç. Simmons	Registration No. Attorney/Agent)	24,842	Telephone	610-530-8100
Signature	James (	Limmi		Date	March 11, 2004

//WARNING: Information on this form may become public. Credit card information should not be included on this form. Provide credit card information and authorization on PTO-2038.

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CERTIFICATE OF MAI	Docket No.					
Applicant: Wei-xian Zh	LUNX-102US					
Serial No.	Filing Date	F.vominou	Crown Aut Huit			
To Be Assigned	Filing Date Herewith	Examiner	Group Art Unit			
Invention:	Helewith	<u> </u>				
DISPERSED ZERO-VALE	ENT IRON COLLOIDS					
I hereby certify tha	t this <u>Utility Patent A</u>	pplication and enclosu	res.			
is heina denosited	with the United St	ates Postal Service "I	Express Mail Post Office to			
Addressee" service	under 37 CFR 1.10	) in an envelope addr	essed to: Mail Stop Patent			
Application Commis	ssioner for Patents,	P.O. Box 1450, Alexa	ndria, VA 22313-1450 on:			
March 11, 2004.						
<u>March 11, 2004</u> .						
		(Typed Or Printed Name	o Person Mailing Correspondence)			
		A	Δ			
		Meliana	11/20014			
		(Signature of Pers	on Mailing Correspondence)			
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EV 321470643 US						
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